

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-48. (Canceled)

49. (New) A method for treating autism, the method comprising administering to a patient diagnosed as suffering from autism a pharmaceutical composition comprising a therapeutically effective amount of a compound selected from the group consisting of D-cycloserine, a salt of D-cycloserine, an ester of D-cycloserine, and a precursor of D-cycloserine.

50. (New) The method according to Claim 49, wherein the compound is D-cycloserine.

51. (New) The method of Claim 49, wherein the compound is a salt of D-cycloserine selected from the group consisting of a sodium salt, a potassium salt, a calcium salt, a magnesium salt, a zinc salt, and an ammonium salt of D-cycloserine.

52. (New) The method of Claim 49, wherein the compound is an ester of D-cycloserine having an ester group with 1-20 carbon atoms.

53. (New) The method of Claim 49, wherein the compound is an alkylated D-cycloserine having an alkyl group with 1-20 carbon atoms.

54. (New) The method of Claim 49, wherein the compound is a precursor of D-cycloserine.

55. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient for at least one week.

56. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient for at least 4 weeks.

57. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient for at least 6 weeks.

58. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient for at least 8 weeks.

59. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient at least once daily.

60. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient in two doses per day.

61. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient in three doses per day.

62. (New) The method of Claim 49, wherein the pharmaceutical composition is administered to the patient in four doses per day.

63. (New) The method of Claim 49, wherein the pharmaceutical composition is administered by a route selected from the group consisting of oral, intravenous, trans-mucosal,

pulmonary, transdermal, ocular, buccal, sublingual, intraperitoneal, intrathecal, and intramuscular routes.

64. (New) The method of Claim 63, wherein the pharmaceutical composition is administered by an oral route.

65. (New) The method of Claim 63, wherein the pharmaceutical composition is administered by an intramuscular route.

66. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient for at least one week.

67. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient for at least 4 weeks.

68. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient for at least 6 weeks.

69. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient for at least 8 weeks.

70. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient at least once daily.

71. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient in two doses per day.

72. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient in three doses per day.

73. (New) The method of Claim 50, wherein the pharmaceutical composition is administered to the patient in four doses per day.

74. (New) The method of Claim 50, wherein the pharmaceutical composition is administered by a route selected from the group consisting of oral, intravenous, trans-mucosal, pulmonary, transdermal, ocular, buccal, sublingual, intraperitoneal, intrathecal, and intramuscular routes.

75. (New) The method of Claim 74, wherein the pharmaceutical composition is administered by an oral route.

76. (New) The method of Claim 74, wherein the pharmaceutical composition is administered by an intramuscular route.